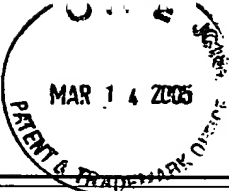


MAR 14 2005

**AMENDMENT TRANSMITTAL LETTER (Small Entity)**Applicant(s): David R. Dilley, Dina K. Kadyrzhanova,
Zhenyong Wang and Toni M. Warner

Docket No.

MSU 4.1-560

Application No.

09/924,841

Filing Date

08/08/01

Examiner

Yong D. Pak

Customer No.

21036

Group Art Unit

1652

Confirmation No.

2882

Invention: **MODIFIED SYNTHETASES TO PRODUCE PENICILLINS AND CEPHALOSPORINS UNDER THE CONTROL OF BICARBONATE****COMMISSIONER FOR PATENTS:**

Transmitted herewith is an amendment in the above-identified application.

☒ Applicant claims small entity status. See 37 CFR 1.27

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	5 -	45 =	0	x \$25.00	\$0.00
INDEP. CLAIMS	2 -	16 =	0	x \$100.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

☒ No additional fee is required for amendment.☐ Please charge Deposit Account No. _____ in the amount of _____☐ A check in the amount of _____ to cover the filing fee is enclosed.☒ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **13-0610**☒ Any additional filing fees required under 37 C.F.R. 1.16.☒ Any patent application processing fees under 37 CFR☐ Payment by credit card. Form PTO-2038 is attached.**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Signature

Dated: 03/09/05

Ian C. McLeod
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I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

03/09/05

(Date)

Signature of Person Mailing Correspondence

Tammi L. Taylor

Typed or Printed Name of Person Mailing Correspondence

CC:



jfw 1652

Docket No. MSU 4.1-560
Appl. No. 09/924,841
Amdt. Dated: February 23, 2005
Reply to Office Action of Dec. 16, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No.: 09/924,841 Confirmation No.: 2882

Applicants: David R. Dilley, Dina K. Kadyrzhanova,
Zhenyong Wang and Toni M. Warner

Filed : August 8, 2001

Title : MODIFIED SYNTHETASES TO PRODUCE PENICILLINS
AND CEPHALOSPORINS UNDER THE CONTROL OF
BICARBONATE

TC/A.U. : 1652
Examiner : Yong D. Pak

Docket No.: MSU 4.1-560

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 CFR 1.111

Sir:

In response to the Office Action mailed
December 16, 2004, Applicants amend and remark as
follows:

Amendments to the Claims are reflected in the listing of
claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.